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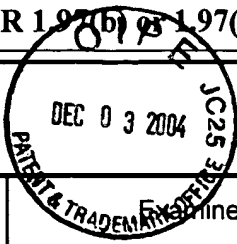
TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))				Docket No. 02230028BB	
In Re Application Of: Hayashi et al.					
Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/803,144	3-18-04	Klimowicz, William J.	30743	2652	7124
Title: MAGNETO-RESISTANCE EFFECT ELEMENT, MAGNETO-RESISTANCE EFFECT HEAD, MAGNETO-RESISTANCE TRANSDUCER SYSTEM, AND MAGNETIC STORAGE SYSTEM					
Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450					
37 CFR 1.97(b)					
1. <input checked="" type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.					
37 CFR 1.97(c)					
2. <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:					
<input type="checkbox"/> the statement specified in 37 CFR 1.97(e);					
OR					
<input type="checkbox"/> the fee set forth in 37 CFR 1.17(p).					

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

(Under 37 CFR 1.97(b) & 1.97(c))

Docket No.
02230028BB

In Re Application: Hayashi et al.



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Title: MAGNETO-RESISTANCE EFFECT ELEMENT, MAGNETO-RESISTANCE EFFECT HEAD,
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Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 50-2041 as described below.
- ☐ Charge the amount of _____
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.
- ☐ Payment by credit card. Form PTO-2038 is attached.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. _____)

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I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on _____

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Signature of Person Mailing Correspondence _____

Typed or Printed Name of Person Mailing Certificate _____

*This certificate may only be used if paying by deposit account

Signature

Dated: 12-3-04

Michael E. Whitham

Reg. # No. 32,635

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Customer # 30743

CC:



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Hayashi et al.

Serial No. 10/803,144

Group Art Unit: 2652

Filed: 3-18-04

Examiner: Klimowicz, William Joseph

For: **MAGNETO-RESISTANCE EFFECT ELEMENT, MAGNETO-RESISTANCE
EFFECT HEAD, MAGNETO-RESISTANCE TRANSDUCER SYSTEM, AND
MAGNETIC STORAGE SYSTEM**

Commissioner for Patents
P.O. Box 1450
Alexandria, Va. 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Under the provisions of 37 C.F.R. 1.97 through 1.98 and pursuant to applicant's duty of disclosure under 37 C.F.R. 1.56, applicant respectfully brings the following documents, cited in a Japanese Office Action and listed on the attached form PTO-1449, to the attention of the Examiner in charge of the above-identified application. Copies of the listed documents are provided herewith for the convenience of the Examiner.

This citation does not constitute an admission that the references are relevant or material to the claims. They are only cited as constituting related art of which the applicant is aware.

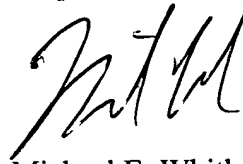
I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to filing of this statement.

In compliance with the requirements of 37 C.F.R. §1.98 (a)(3), as a concise statement of relevance, as it is presently understood by the individual designated in 35 U.S.C. §1.56(c) most knowledgeable about the content of the information, the undersigned attorney of record submits a

translation of the official action by a foreign examiner in which the reference was cited. The relevance to the pending U.S. Patent application is that the references was cited in a foreign patent application on the same subject manner. However , no independent analysis of the reference, the accuracy of the statement of the foreign examiner or the claims of the foreign application under the laws of that country or the United States relative to the same subject matter claimed in the present application has been made; the present understanding of the contents thereof by the undersigned being based on the translation of the foreign examiner's comments submitted herewith.

It is respectfully requested that the listed references be formally made of record in the application. Please charge any deficiencies in fees and credit any overpayment of fees to Attorney's Deposit Account No. 50-2041.

Respectfully submitted,

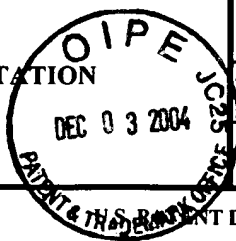


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Customer # 30743

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



Docket Number (Optional)

02230028BB

Application Number

10/803,144

Applicant(s)

Hayashi et al.

Filing Date

3-18-04

Group Art Unit

2652

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	1	2000-163716	6-16-00	Japan	abstract	only	✓	
	2	5-94605	4-16-93	Japan	abstract	only	✓	
	3	11-213355	8-6-99	Japan	abstract	only	✓	
	4	2000-40211	2-8-00	Japan	abstract	only	✓	
	5	11-134620	5-21-99	Japan	abstract	only	✓	

OTHER DOCUMENTS

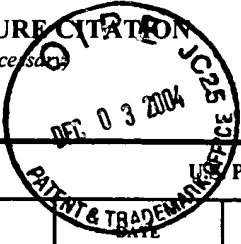
(Including Author, Title, Date, Pertinent Pages, Etc.)

		Japanese Office Action dated October 26, 2004 with English translation of pertinent portions

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				Docket Number (Optional) 02230028BB		Application Number 10/803,144		
				Applicant(s) Hayashi et al.				
				Filing Date 3-18-04		Group Art Unit 2652		
PATENT DOCUMENTS								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
U.S. PATENT APPLICATION PUBLICATIONS								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	6	11-232616	8-27-99	Japan	abstract	only	✓	
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>								
EXAMINER				DATE CONSIDERED				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								